

TABLE I

gives the observations of the Temperature, Salinity, and Density, taken on board the Veslemøy, between July 10th and September 4th, 1912.

The heading for each Station gives the Number of the Station, the Date, the Latitude and Longitude, or in some cases a description of the locality.

1st Column. The Hour of the Observation, Central European Time.

2nd Column. Depth in Metres. A line under the number indicates bottom.

3rd Column. Instrument used. **B** = Bucket used for Surface-Water. **A** = The Automatic Insulating Water-Bottle. **I** = Stop-Cock Water-Bottle with the Richter reversing thermometers No. P.T.R. 37552 and No. 316 (where two temperatures are given the second one was taken with the latter thermometer). **II** = Stop-Cock Water-Bottle with the Richter reversing thermometers No. P.T.R. 37551 and P.T.R. 37544 (where two temperatures are given the second one was taken with the latter thermometer). **E**. An Ekman Reversing Water-Bottle with the Richter reversing thermometers No. P.T.R. 37546 and P.T.R. 37548. Where two temperatures are given the second one was taken with the latter thermometer till July 29th, and later with the Richter reversing thermometer No. P.T.R. 37547. **RB** = The Reversing Stop-Cock Water-Bottle with the Richter reversing thermometer No. P.T.R. 37549. **PN** = The Pettersson Nansen Insulating Water-Bottle with the Nansen thermometer No. P.T.R. 37554 and the Richter reversing thermometer No. P.T.R. 37547 till July 29th, and later the Richter reversing thermometer No. P.T.R. 37548. When two temperatures are given with this water-bottle the second one was taken with the Richter thermometers, otherwise the temperatures were taken with the Nansen thermometer.

4th Column, t° C. The corrected Temperature (Centigrade) of the Sea-Water *in situ*, referred to the hydrogen thermometer.

5th Column, $S^{\circ}/_{00}$. Salinity in per mille. An asterisk after the number indicates that the salinity of the sample was determined (with the Interferometer) both by Mr. J. HELLAND, and by Mr. A. ØYAN.

6th Column, σ_t . Density (*i. e.* $1000 (S^{\frac{t}{0}} - 1)$) of the Sea-Water at the temperature *in situ* when the pressure is reduced to one atmosphere.